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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/055,040 | 01/25/2002 | Xiaobo Fan | P16312US1 | 8956 |

7590 10/31/2005

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EXAMINER

WONG, WARNER

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2668

DATE MAILED: 10/31/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|--------------------------------------|------------------------------------|--|
| Office Action Summary | Application No. 10/055,040 | Applicant(s) FAN, XIAOBO | |
| | Examiner Warner Wong | Art Unit 2668 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 April 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 1-22 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 1/25/02 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

Claims 1-22 are objected to because of the following informalities:

- a) **Claim 1**, line 18 recites the limitation "the first mobility binding" which lacks antecedent basis. It should be reworded to "a first mobility binding".
- b) **Claim 3**, line 3 recites the limitation "the mobility binding" which lacks antecedent basis. It should be reworded to "the first mobility binding".
- c) **Claim 5**, line 8 recites the limitation "the mobility binding" which lacks antecedent basis. It should be reworded to "the first mobility binding".
- d) **Claim 9**, line 18 recites the limitation "the first mobility binding" which lacks antecedent basis. It should be reworded to "a first mobility binding".
- e) **Claim 11**, line 3 recites the limitation "the mobility binding" which lacks antecedent basis. It should be reworded to "the first mobility binding".
- f) **Claim 13**, line 8 recites the limitation "the mobility binding" which lacks antecedent basis. It should be reworded to "the first mobility binding".
- g) **Claim 17**, line 26 recites the limitation "the first mobility binding" which lacks antecedent basis. It should be reworded to "a first mobility binding".
- h) **Claim 19**, line 3 recites the limitation "the mobility binding" which lacks antecedent basis. It should be reworded to "the first mobility binding".
- i) **Claim 21**, line 8 recites the limitation "the mobility binding" which lacks antecedent basis. It should be reworded to "the first mobility binding".

Appropriate correction is required.

Allowable Subject Matter

1. Claims 1-22 are allowable if rewritten to overcome the above claim objections.

The following is an examiner's statement of reasons for allowance:

The prior art of record fails to describe a method/system/Home Agent using the exact steps of (1) verifying if any mobility bindings exists, if yes (2a) verify if the COA matches the latest registered COA, if no, (2b) verify if the home IP is zero, if no (3a) create a new mobile IP session, if yes (3b) retrieving home IP address with the first binding and removing any other mobility binding.

Conclusion

2. This application is in condition for allowance except for the following formal matters (see claim objections above):

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Lueng (U.S. Patent 6,959,341), Jakobsen (U.S. patent 6,374,108), Tari (6,542,491), Shimizu (U.S. pub. 2002/0009066), La Porta (U.S. Patent 6,654,359), La Porta (U.S. Patent 6,434,134), Hiller (U.S. Patent 6,445,922), and Leung (U.S. Patent 6,501,746).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Warner Wong whose telephone number is 571-272-8197. The examiner can normally be reached on 5:30AM - 2:00PM, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Warner Wong
Examiner
Art Unit 2668

WW

Chieh M. Fan

CHIEH M. FAN
PRIMARY EXAMINER